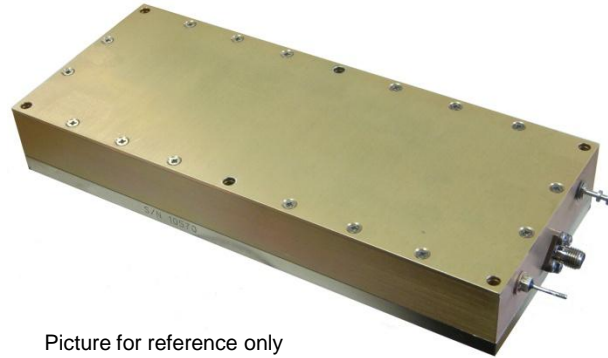


The PM100-500-200 is a 200W, Class A/AB High Gain amplifier module for the 100 - 500 MHz band. Superior performance offering high gain, efficiency, and power using broadband matching techniques and the finest Gold MOSFET/LDMOS transistors available on the market today. Matched for 50 ohms input and output, the PM100-500-200 provides 200 watts P1dB making this the natural choice for your broadband application.



Picture for reference only

Specifications

(Vsupply=+28VDC, Idq=3.0A, TBase=+25°C) Pout=200W

Parameter	Min.	Typ.	Max.	Unit
Frequency	100		500	MHz
Output Power			200 ⁽¹⁾	Watts
Input Power		0.6		Watts
Gain	22.5	25		
Gain Flatness		+/-1.5		dB
Drain Current		16	21.5	Amps
Efficiency		45		%
Input VSWR		1.5:1	2.0:1	
2 nd Harmonic		-30		dBc
3 rd Harmonic		-25		dBc
Dimensions	4.5" x 10.5" x 2.0"			

Features

- 200 Watts P1dB Max.
- Class A/AB
- 50 ohms input/output
- Bandwidth 100-500 MHz
- All Gold MOSFETS for Maximum Reliability

Maximum Ratings

Parameter	Value
Supply Voltage	+32VDC
Bias Current	3.5 Amp
Drain Current	23.0 Amp
Load Mismatch	3:1
<small>All phase angles, current limited to 23.0A for 3 seconds.</small>	
Storage Temp.	-20°C - +85°C
Housing Operating Temperature	+60°C

Notes:

1. PM100-500-200 is a high power amplifier capable of producing in excess of 250 watts output power. To avoid damage the amplifier output must not exceed 200 watts CW.

Power Module Technology • 3107 N. Deer Run Road, Suite 20, Carson City, Nevada 89701 USA.

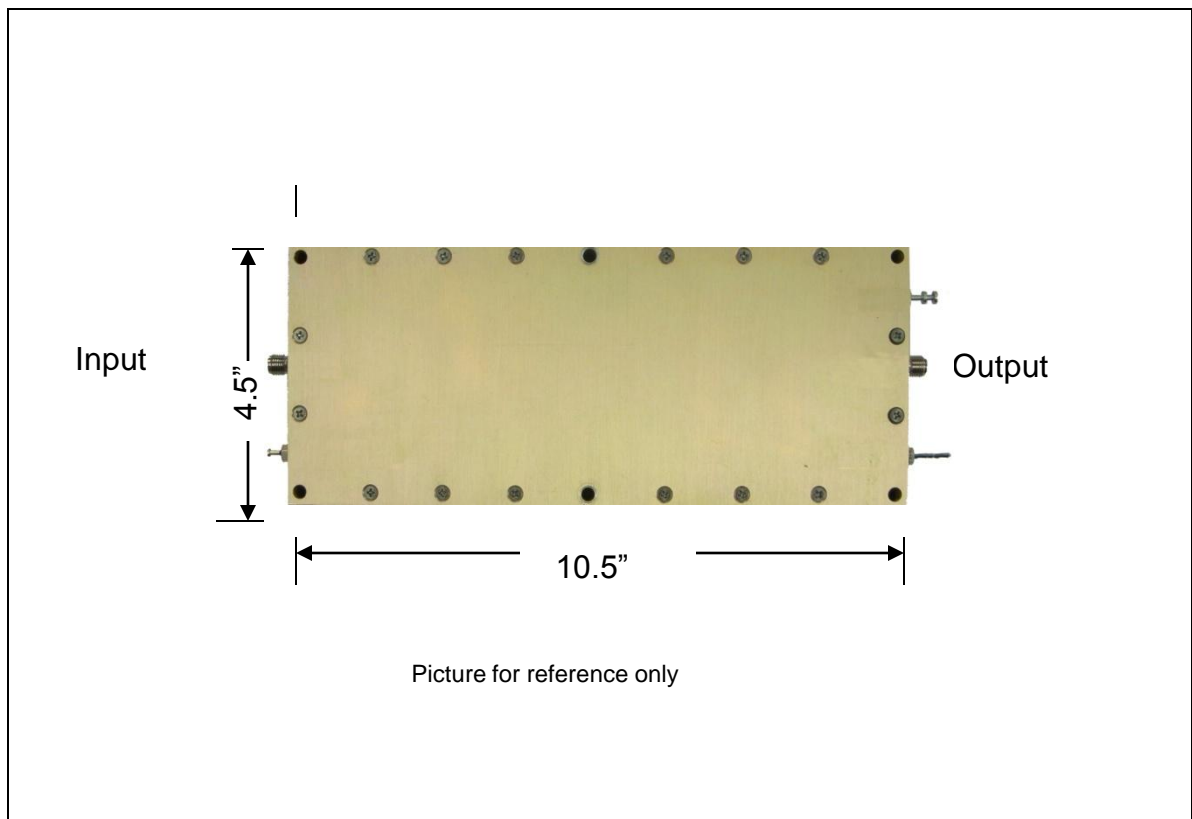
Tel: +1.775.883.1122 e-mail: sales@pmtrf.com web: <http://www.pmtrf.com>

Specifications contained herein are subject to change without notice.

PMT assumes no liability for the use of this information.

©PMT 2008

Reference Circuit



Power Module Technology • 3107 N. Deer Run Road, Suite 20, Carson City, Nevada 89701 USA.

Tel: +1.775.883.1122 e-mail: sales@pmtrf.com web: <http://www.pmtrf.com>

Specifications contained herein are subject to change without notice.

PMT assumes no liability for the use of this information.

© PMT 2008



PM100-500-200
100-500 MHz – 200W
Solid State Broadband
High Power Pallet Amplifier

Data Sheet

12-16-11

We Listen to your comments

If there is any information within this document that you feel is wrong, unclear or Missing, please give us your feedback as it will help us to continuously improve The quality of this document. Please send your suggestions (including a reference To this document) to:

Bob.Todd@PMTRF.com

To request other information please call 1-775-883-1122

Attention please:

The information herein is given to describe certain components and shall not be Considered as a guarantee of characteristics. Terms of delivery and rights to Technical change reserved.

For further information on technology, delivery terms, conditions and prices, please Contact the sales department at PMT headquarters at 1-775-883-1122

Power Module Technology • 3107 N. Deer Run Road, Suite 20, Carson City, Nevada 89701 USA.

Tel: +1.775.883.1122 e-mail: sales@pmtrf.com web: <http://www.pmtrf.com>

Specifications contained herein are subject to change without notice.

PMT assumes no liability for the use of this information.

© PMT 2008